

OM nucleic - nucleic search, using sw model

Run on: July 19, 2001, 15:44:05 ; Search time 394.23 Seconds  
                   (without alignments)

Title: US-08-956-991-1

Perfect score: 1

Sequence: tgactgaggccggacgg.....gaaaatttgc当地atatt 6604

Scoring table: IDENTITY\_NUC  
                   Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
                   Maximum Match 100%  
                   Listing first 45 summaries

Database : Issued\_Patents\_NA:  
 1: /cndl\_1/podata/1/ina/5A\_COMB.seq: \*  
 2: /cgnl\_1/podata/1/ina/5B\_COMB.seq: \*  
 3: /cndl\_1/podata/1/ina/6A\_COMB.seq: \*  
 4: /cndl\_1/podata/1/ina/6B\_COMB.seq: \*  
 5: /cndl\_1/podata/1/ina/PCTUS\_COMB.seq: \*  
 6: /cgnl\_1/podata/1/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

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Result No.	score	Query Match Length	DB ID	Description
1	541	8.2	1493	2 US-08-752-307B-6
2	73.4	1.1	320	4 US-09-165-264-7
3	73.4	1.1	15238	4 US-09-128-155-16
4	72.4	1.1	320	4 US-09-165-264-13
5	69.8	1.1	320	4 US-09-165-264-14
6	69	1.0	318	4 US-09-165-264-12
7	69	1.0	319	4 US-09-165-264-8
8	69	1.0	320	4 US-09-165-264-11
9	66.4	1.0	3200	1 US-08-348-006B-6
10	66.4	1.0	6000	2 US-08-800-825A-6
11	66.4	1.0	6000	4 US-09-657-6
12	66.4	1.0	6000	5 PCT-US94-10166-6
13	63	1.0	3507	2 US-08-775-009-36
14	62.2	0.9	801	2 US-08-770-379-16
15	62.2	0.9	801	4 US-08-757-669A-16
16	62	0.9	4257	2 US-08-690-433A-1
17	62	0.9	4257	4 US-09-521A-1
18	62	0.9	4257	4 US-08-843-659-1
19	62	0.9	12001	1 US-08-458-568A-11
20	61.6	0.9	4403	2 US-08-284-941-1
21	61.6	0.9	4403	2 US-08-47-642-1
22	61.6	0.9	4403	5 PCT-US93-0247A-1
23	60.4	0.9	8438	1 US-07-945-203-1
24	60.2	0.9	1026	1 US-07-975-536-6
25	59.4	0.9	4257	2 US-08-680-413-1
26	59.4	0.9	4257	4 US-09-259-831A-1
27	59.4	0.9	4257	4 US-08-843-659-1

**RESULT** 1  
 US-08-752-307B-6  
 Sequence 6, Application US-08752307B  
 ; Sequence 6, Application US-08752307B  
 ; Patent No. 5952171  
 ; GENERAL INFORMATION:  
 ; APPLICANT: McCarthy, Sean A.  
 ; APPLICANT: Gearing, David P.  
 ; APPLICANT: Levinson, Douglas A.  
 ; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES  
 ; TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: US  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows 95  
 ; SOFTWARE: FASSEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US-08-752-307B  
 ; FILING DATE: 19-NOV-1996  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Melklejohn, Ph.D., Anita L.  
 ; REGISTRATION NUMBER: 35-283  
 ; REFERENCE/DOCKET NUMBER: 09404/020001  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 617-542-5070  
 ; TELEFAX: 617-542-8906  
 ; TELEX: 200154  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1493 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; FEATURE:  
 ; NAME/KEY: Coding Sequence  
 ; LOCATION: 99..1493  
 ; US-08-752-307B-6



OM of: US-08-956-991-2 to: Issued\_Patents\_NA: \* otl\_format : pdf

Date: Jul 20, 2001 12:40 AM

About: Results were produced by the GenCore software, version 4.5,

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#### Command line parameters:

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-MODFILE=frame+D2n.model -DEV=xlP
-O=/cgnl_1/uspo_spool/US08956991/runat_17072001_150556_4785/app_query.fasta_1.3654
-DR=Issued_patents_NA -OFMFT=fastap -SUFFIX=_nni -GAPOPEN=12,000
-GAPEXT=4,000 -MINMATCH=0,100 -LOOPCL=0,000 -LOOPEXT=0,000
-OGAPOPEN=4,500 -OGAPEXT=0,050 -XGAPOPEN=10,000 -XGAPEXT=0,500
-XGAPOPEN=6,000 -XGAPEXT=0,000 -YGAPOPEN=10,000 -YGAPEXT=0,500
-DELTA=6,000 -DELEXT=7,000 -START=1 -MATRIX=blosum62
-TRANS=human40_cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=Pct
-THR_MAX=100 -THR_MIN=15 -MODFL=LOCAL -OUTFMT=pdf
-NORMEXT -MINLEN=0 -MAXLEN=2000000000
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-WAIT -THREADS=1
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#### Search information block:

Query: US-08-956-991-2

Database: Issued\_Patents\_NA: \*

Database length: 1910

Search time (sec): 156.620000

#### Score\_list:

Sequence	Strd	Orig	Zscore	Escore	Len	Documentation
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/cgnl_7/podata/1/ina/6B_COMB.seq	US-09-041-866-24+	830.50	1419.48	1.8e-71	4608	
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 33 IuvalValPhelaserThrThrGlyLysLeuValProCysProAlaAla 49  
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 50 GlyLeProProValThrLeuArgTrpTyroLeuAlaThrGlyGluGlu 66  
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 299 CTACGAGCTGCGCACATCGGCAGTGTCCACGCCACGGGACGTGCA 348  
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 349 TCTACCCCTCTCCCTCCGCTCATAGCTTATCCACGACAATGAC 398  
 100 TyTyrcySthralaGluAsnProSerGlyLysIleArgSerGlnAspVa 116  
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 350 AsnGlyGluIleLeuAsnProGlyLysAsnValArgIlerhrglyIleas 366  
 111 :|||: :|||: :|||:  
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 seq\_name: /cgn1\_7/ptodata/1/ina/6B\_COMB.seq:US-09-041-886-24

seq\_documentation\_block:

Sequence 24, Application US/09041886

Patent No. 6235872

GENERAL INFORMATION:

APPLICANT: Bredesen, Dale H.

APPLICANT: R. bideah, Sharroz

TITLE OF INVENTION: Proapoptotic Peptides, Dependence  
TITLE OF INVENTION: Polypeptides and Methods of Use  
NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell & Flores LLP  
STREET: 4370 La Jolla Village Drive, Suite 700  
CITY: San Diego  
STATE: California  
COUNTRY: United States  
ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible  
COMPUTER: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/041,886

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-LJ 2626  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 533-9001

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:  
LENGTH: 4508 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

**GenCore version 4.5**  
**Copyright (c) 1993 - 2000 Compugen Ltd.**

**OM protein - protein search, using sw model**

**Run on:** July 17, 2001, 15:11:36 ; Search time 27.66 Seconds  
 (without alignments) 1391.043 Million cell updates/sec

**Title:** US-08-956-991-2  
**Perfect score:** 9950  
**Sequence:** MWIALALSFQSFANVFSEDL.....KAIGQVTSYICLHLEWTFC 1910  
**Scoring table:** BL0S0M62  
**Gapop** 10.0 , **gapext** 0.5

**Searched:** 193259 seqs, 20144635 residues

**Total number of hits satisfying chosen parameters:** 193259

**Minimum DB seq length:** 0  
**Maximum DB seq length:** 200000000

**Post-processing:** Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

**Database :**

- 1: /con2\_6/ptodata/2/iaa/5A\_COMB.pep:\*
- 2: /con2\_6/ptodata/2/iaa/5B\_COMB.pep:\*
- 3: /con2\_6/ptodata/2/iaa/6A\_COMB.pep:\*
- 4: /con2\_6/ptodata/2/iaa/6B\_COMB.pep:\*
- 5: /con2\_6/ptodata/2/iaa/PCRS\_Comb.pep:\*
- 6: /con2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	1459.5	14.7	465	2	US-08-752-307B-5
2	1451.5	14.6	462	2	US-08-752-307B-7
3	8.3	14.7	462	4	US-09-041-886-25
4	829	8.3	1447	5	PCT-US94-05277-2
5	717.5	7.2	1018	1	US-08-408-093-6
6	717.5	7.2	1018	1	US-08-408-420A-6
7	717.5	7.2	1018	1	US-08-714-901-6
8	717.5	7.2	1018	3	US-08-040-741-6
9	7.1	7.1	1018	1	US-08-452-052-2
10	665.5	6.7	1911	1	US-08-348-006B-5
11	665.5	6.7	1911	2	US-08-800-822A-5
12	665.5	6.7	1911	4	US-09-158-657-5
13	665.5	6.7	1911	5	PCT-US94-0166-5
14	515	5.2	1501	2	US-08-447-464-3
15	515	5.2	1501	2	US-08-752-307B-8
16	435.5	4.4	607	2	US-08-752-307B-12
17	421	4.2	1241	4	US-09-040-774-2
18	411	4.1	612	2	US-08-752-307B-11
19	391	3.9	596	2	US-08-752-307B-13
20	390	3.9	615	2	US-08-752-307B-9
21	386	3.9	605	2	US-08-752-307B-8
22	380	3.8	828	1	US-08-261-004-2
23	370.5	3.7	630	2	US-08-752-307B-14
24	349	3.5	2231	1	US-08-153-399-16
25	342.5	3.4	611	2	US-08-752-307B-10
26	341.5	3.4	2327	1	US-08-283-857-1
27	335.5	3.4	2324	1	US-08-283-857-1

**ALIGNMENTS**

**RESULT 1**  
**US-08-752-307B-5**

Sequence 5, Application US/08732307B  
 Patent No. 552171

**GENERAL INFORMATION:**

APPLICANT: McCarthy, Sean A.  
 APPLICANT: Gearling, David P.  
 APPLICANT: Levinson, Douglas A.

TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN

TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.  
 STREET: 225 Franklin Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: US  
 ZIP: 02110-2804

**COMPUTER READABLE FORM:**

COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows95  
 SOFTWARE: FASTSEQ for Windows Version 2.0

**CURRENT APPLICATION DATA:**

APPLICATION NUMBER: US/08-752, 307B  
 FILING DATE: 19-NOV-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McLeijohn, Ph.D., Anita L.  
 REGISTRATION NUMBER: 35, 283  
 REFERENCE/DOCKET NUMBER: 09404/020001  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-542-5070  
 TELEFAX: 617-542-8906  
 TELEX: 200154

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 465 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal

Query Match Best Local Similarity 14.7%; Score 1459.5; DB 2; Length 465;

Patent No. 545158  
 Sequence 1, Appli

Matches	265:	Conservative	81:	Mismatches	117:	Indels	1:	Gaps
1	MWILIA-LSLFQFANVFSEDLHSSLYFVNASHQBVFASTGTGTLVPCPAAGIPPTLRW							59
1	LATGEELYDVGTRRHVHNGTQIFPPFQSSFLIHDTYCYAENSGKIRSDQDHK							119
1	MWILTFLLLDLSHKARPEDVGTSLSYFVNDLSQOVTFSSSVGVVWPCTPAGSPSAALRW							60
60	LATGEELYDVGTRRHVHNGTQIFPPFQSSFLIHDTYCYAENSGKIRSDQDHK							119
61	LATGDDTYDVPHTRHVGNTQLOYPESPSNSFIHDNYCFTAENAAKGIRSPNRYK							120
61	GLYISDVQEDALSTYRCITKHYSGETRQSNGARLSVIDPESIPTILDGFHSQEWAG							240
120	AVIREPYTVRDOKTMGRNVAVFKC1PSSVEAXITVSWKDTVSLVSGSRLLTIG							179
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180	AVXKDVKVNEGDGLNYRCITRHRVTGETROSNSARLFVSDPANSAPSILDGDFDRHKAMAG							239
181	GLYISDVQEDALSTYRCITKHYSGETRQSNGARLSVIDPESIPTILDGFHSQEWAG							240
240	QRVFPLCKALGHPEPDYRMLDNKMPLESLGRFORTVGLILENIRPSDGSYCVESNRV							299
241	HTVELPCTASGVPPIARWNLGDRPLPADSRWTKRITGLTISDLRTEDSGTYICEVNTF							300
300	GTAKVIGRLYKVQLKATSPRKVKSQVSQSVTSCSYVGETDQEGLSWRNGEILNPQKN							359
301	GSAEATGILMVIDPLHVLTTPKKLKTTGISTVLSCALTGSPEFTIRWRTNTELWLPDEA							360
360	VRTGIGNHENLIMDHMKVSDGAYQOCFVRKKQLSNAQDYQVWLEDGTPKISIASEKWS							419
361	ISTRGLSNETLITSAOKSHSGAYOCFATRKQAOFDAITLEDGTPRIVSSSEKVN							420
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Sequence	7, Application US/08752307B							
Patent No.	5952171							
GENERAL INFORMATION:								
APPLICANT:	McCarthy, Sean A.							
APPLICANT:	Gearing, David P.							
APPLICANT:	Levinson, Douglas A.							
TITLE OF INVENTION:	METHOD FOR IDENTIFYING GENES							
NUMBER OF SEQUENCES:	14							
CORRESPONDENCE ADDRESS:								
ADDRESSEE:	Fish & Richardson, P.C.							
STREET:	225 Franklin Street							
CITY:	Boston							
STATE:	MA							
ZIP:	02110-2804							
COMPUTER READABLE FORM:								
COMPUTER:	IBM Compatible							
OPERATING SYSTEM:	Windows95							
SOFTWARE:	FastSeq for Windows Version 2.0							
CURRENT APPLICATION DATA:								
APPLICATION NUMBER:	US/08752,307B							
APPLICATION NUMBER:	US/08752,307B							
FILING DATE:	19-Nov-1996							
CLASSIFICATION:	435							
PRIOR APPLICATION DATA:								
APPLICATION NUMBER:								
FILING DATE:								
ATTORNEY/AGENT INFORMATION:								
NAME:	WeikleJohn, Ph.D., Anita L.							
REGISTRATION NUMBER:	35, 283							
REFERENCE/DOCKET NUMBER:	09404/020001							
TELECOMMUNICATION INFORMATION:								
TELEPHONE:	617-542-5070							
TELEFAX:	617-542-8906							
TELEX:	200154							

INFORMATION FOR SEQ ID NO: 7  
SEQUENCE CHARACTERISTICS:  
LENGTH: 462 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-752-307B-7

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Best Local Similarity	57.1%	Pred.	No. 6.4e-93;
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QY	120	AVLREPVTVRVEDOKTMKGKVNVFKCITPSSVAYITVWSWEKOTVSLVSGSRFLITSG 179	
Db	181	GLXVSDYDMLADALSTYRCRITKHYSGETRSQNSARLVSQVWPCPAAGPSAALRWY 180	
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Db	240	QRVELPKALGHPEPDYRKLWKDNMPLESLGRFQKTVGLIENRPSDSGSYCEVSNY 299	
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QY	360	VRTGIVNHNBLIMHMVKSGDGGACFVKKLISAQDYQVWVLIEDGTPKISAFSEKVN 419	
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US-09-041-886-25			
; Sequence 25, Application US/09/041886			
; Patient No. 6235842			
; GENERAL INFORMATION:			
; APPLICANT: Bredesen, Hale R.			
; APPLICANT: Rabizach, Shairoz			
; TITLE OF INVENTION: proapoptotic Peptides, Dependence			
; TITLE OF INVENTION: Polypeptides and Methods of Use			
; NUMBER OF SEQUENCES: 72			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Campbell & Flores LLP			
; STREET: 4370 La Jolla Village Drive, Suite 700			
; CITY: San Diego			
; STATE: California			
; COUNTRY: United States			
; ZIP: 92122			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: PatentIn release #1.0, Version #1.25			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/09/041, 886			
FILED DATE:			
CLASSIFICATION:			
ATTORNEY/AGENT INFORMATION:			







149 CCCCTGAGAGTGTGGCACCAAGAGCTGGAGACCGGATTTGGCAGGGTCATCC 198  
 331 IluValPheAlaSerThrThrLysIleLeuValProCysProAlaAla 49  
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 1099 AGGGGACCTTTCAGCAGCAGGGCTGGGGGCTGGTGCCTGCCGCGGGCG 248  
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 999 GGTGCGGAGGAGCCACAGGCTCTCTCATGTCATTGATCCCTCTATGT 1048  
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 333 euSeCysSerValIleThrGlyIleGluAspGlyIleLeuSerTrpTyArg 349  
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 1099 TCTCTGTCGCCAGACGGCTCCCCAGTGCCTGCTGCTTCACCATCGCTGTATGC 1148  
 350 AspGlyGurle-euAsnProGlyLysAsnValArgIleThrGlyIleAs 366  
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 1149 AACAGGGAGCTGGTGCTGCTGAGGAGGCCATCTCCATCGTGGGCTAG 1198  
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 366 nHsGluAsnLeuIleMetAspHisLysSerAspGlyGlyAlaR 383  
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 1199 CAACGAGACGCTCTCACCCACCCACGGCCAGAGAGAACGCACTGGCC 1248  
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 1249 ACCAGTGCTCTGCTGACCCGCAAGGCCAGACGCCAGACTTGTGCATC 1298  
 400 ValValLeuGluAspGlyIleArgIleLeuIleSerGlyIleSerAlaIleSerGly 416  
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 1299 ATGGCAGCTTGAGATGGCAGGCCGCATGCTGCTCTGAGGAGAA 1348  
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 416 sValValSerProAlaGluProValSerLeuMetCysAsnValLysIleGly 433  
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 1349 GGIGTCACCCCCGGGGAGCACGCTCACTGATGATGTCGCGCCAGGGCG 1398  
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 1399 CCCGGCCCCACGGTCACCTGCGGCCCTCGACCATGAGCCCATGTCGCG 1448  
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 450 GlyGlySerHisArgIleSerGlnMetIleThrSerGly 463  
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 1449 GATGGCAGGCCACCGCACCCACCGNTACACCATGTCGGACGGC 1490  
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 seq\_documentation\_block:  
 Sequence 24, Application US/09041886  
 Patent No. 6235072  
 GENERAL INFORMATION:  
 APPLICANT: Bredesen, Dale E.  
 ADDRESS: 100 ArthursArgTyrIleGlyGluIleArgGlnSerAsnSerAlaArgLeuI 216  
 TITLE OF INVENTION: Peptidomimetic Peptides, Dependence  
 NUMBER OF SEQUENCES: 72  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Campbell & Flores LLP  
 STREET: 4370 La Jolla Village Drive, Suite 700  
 CITY: San Diego  
 STATE: California  
 COUNTRY: United States  
 ZIP: 92122  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-NOS/MS-DOS  
 SOFTWARE: Patient Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/041,886  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Campbell, Kathryn A.  
 REGISTRATION NUMBER: 31,815  
 REFERENCE/DOCKET NUMBER: P-LJ 2626  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 535-9001  
 TELEFAX: (619) 535-9049  
 INFORMATION FOR SEQ ID NO: 24:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4608 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single

GenCore version 4.5  
copyright (c) 1993 - 2000 Compugen Ltd.

Run on: July 20, 2001, 00:35:17 ; Search time 394.23 Seconds  
(without alignments)  
9.399 Million cell updates/sec

Title: OM nucleic - nucleic search, using sw model  
perfect score: US-08-956-991-5  
Sequence: 1 ccagttctcaaggagcagg 20  
scoring table: IDENTITY\_NUC  
Gappen 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

**Database :**

- 1: Issued\_Patents\_NA:\*
- 2: /cgml\_7/podata/1/ina/5A\_COMB.seq:\*
- 3: /cgml\_7/podata/1/ina/5B\_COMB.seq:\*
- 4: /cgml\_7/podata/1/ina/6B\_COMB.seq:\*
- 5: /cgml\_7/podata/1/ina/PCTUS\_COMB.seq:\*
- 6: /cgml\_7/podata/1/ina/backfil.esl.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	15.2	76.0	3417	2	US-08-464-402-1
2	15.2	76.0	4337	4	US-09-187-049-1
3	15.2	76.0	8298	5	PCT-US93-03076-1
4	15.2	76.0	12752	2	US-08-459-146-1
5	15.2	76.0	12752	2	US-08-459-146-1
6	14.8	74.0	2071	4	US-09-023-023-1
7	14.8	74.0	8535	3	US-08-716-351A-2
8	14.4	72.0	920	7	US-09-589-373-2
9	14.4	72.0	1314	1	US-07-662-005A-15
10	14.4	72.0	1875	4	US-09-258-373-21
11	14.4	72.0	2135	3	US-08-581-148C-17
12	14.4	72.0	3648	1	US-08-053-614-1
13	14.4	72.0	3648	1	US-08-316-397B-1
14	14.4	72.0	3648	2	US-09-034-306-1
15	14.4	72.0	3648	4	US-09-259-437-1
16	14.4	72.0	3648	5	PCT-US93-09782-1
17	14.4	72.0	4821	1	US-08-503-614-3
18	14.4	72.0	4821	1	US-09-316-397B-1
19	14.4	72.0	4821	2	US-09-034-306-3
20	14.4	72.0	4821	4	US-09-259-437-3
21	14.4	72.0	4821	5	PCT-US93-09782-3
22	14.4	72.0	5925	3	US-08-470-260-4
23	14.4	72.0	5925	4	US-08-471-491-2
24	14.4	72.0	5925	4	US-08-466-662-4
25	14.4	72.0	10299	2	US-08-477-451-1
26	14.4	72.0	10299	2	US-08-478-451-5
27	14.4	72.0	19932	2	US-08-477-451-25

**ALIGNMENTS**

RESULT	1	Sequence 1, Application US/08464402
US-08-164-402-1		; Patent No. 5838705
<b>GENERAL INFORMATION:</b>		
APPLICANT:	WEI, ET AL.	
TITLE OF INVENTION:	Human DNA Ligase III	
NUMBER OF SEQUENCES:	9	
CORRESPONDENCE ADDRESS:	CARELLA, BYRNE, BAIN, GILFILLAN,	
ADDRESSEE:	CIECHT, STEWART & OLSTEIN	
STREET:	6 BECKER FARM ROAD	
CITY:	ROSELAND	
STATE:	NEW JERSEY	
COUNTRY:	USA	
ZIP:	07068	
<b>COMPUTER READABLE FORM:</b>		
COMPUTER:	IBM PS/2	
OPERATING SYSTEM:	MS-DOS	
SOFTWARE:	WORD PERFECT 5.1	
<b>CURRENT APPLICATION DATA:</b>		
APPLICATION NUMBER:	US/08/464,402	
FILING DATE:	June 5, 1995	
CLASSIFICATION:	435	
PRIOR APPLICATION DATA:		
APPLICATION NUMBER:	PCT/US95/03939	
FILING DATE:	31 MAR 95	
ATTORNEY/AGENT INFORMATION:		
NAME:	FERNARO, GREGORY D.	
REGISTRATION NUMBER:	36,134	
REFERENCE/DOCKET NUMBER:	325800-388	
<b>TELECOMMUNICATION INFORMATION:</b>		
TELEPHONE:	201-994-1700	
TELEFA:	201-99-1744	
<b>INFORMATION FOR SEQ ID NO: 1:</b>		
SEQUENCE CHARACTERISTICS:		
LENGTH:	3417 BASE PAIRS	
TYPE:	NUCLEIC ACID	
STRANDEDNESS:	SINGLE	
TOPOLOGY:	LINEAR	
MOLECULE TYPE:	CDNA	
US-08-464-402-1		
Query	1	ccagttctcaaggagcagg 20
Match	76.0%	Score 15.2; DB 2;
Best Local Similarity	85.0%	Pred. No. 63;
Matches	17;	Conservative 0; Mismatches 3
QY		

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Sequence 1, Appl  
Sequence 19, Appl  
Sequence 19, Appl  
Sequence 697, App  
Sequence 2, Appl  
Sequence 1, Appl  
Sequence 5, Appl  
Sequence 3, Appl
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Db ||||||| ||||||| ||||| 2559 CCAGTGTCCAAGGGAGG 2578

RESULT 2  
US-08-187-049-1  
Sequence 1, Application US/09187049  
Patent No. 6117666

GENERAL INFORMATION:  
APPLICANT: Lamppa, Gayle K.  
TITLE OF INVENTION: PLASTID PROTEOLYTIC PROCESSING ENZYME  
TITLE OF INVENTION: THAT CLEAVES PRECURSOR POLYPEPTIDES  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BRINNIS HOFER GILSON & LIONE  
STREET: P.O. Box 10395  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60610

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/03076  
FILING DATE: 19930331  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Granahan, Patricia  
REGISTRATION NUMBER: 32,227  
REFERENCE/DOCKET NUMBER: WHI92-03A

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-861-6240  
TELEFAX: 617-861-9540

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 8298 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 731..5272

PCT-US93-03076-1

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/695,177  
FILING DATE:  
TELEPHONE: 312 321-4200  
TELEFAX: 312 321-4299

ATTORNEY/AGENT INFORMATION:  
NAME: Martin, Alice O.  
REGISTRATION NUMBER: 35,601  
REFERENCE/DOCKET NUMBER: 7814/16

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312 321-4200

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 4337 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: cDNA

US-09-187-049-1

Query Match 76.0%; Score 15.2%; DB 4; Length 4337;  
Best Local Similarity 85.0%; Pred. No. 65; Mismatches 0; Gaps 0;  
Matches 17; Conservative 0; Indels 0;

QY 1 ccagtctccaaggcagg 20  
Db 3763 CAAGTCTCAATGGACTGG 3782

RESULT 4  
US-08-459-146-1  
Sequence 1, Application US/08459146  
Patent No. 5866405

GENERAL INFORMATION:  
APPLICANT: Choi, Gil Ho  
APPLICANT: Nuss, Donald Lee  
TITLE OF INVENTION: Genetically Engineered Transmissible  
TITLE OF INVENTION: Hypovirulence

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:  
ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.  
STREET: 340 Kingsland Street  
CITY: Nutley  
STATE: New Jersey  
COUNTRY: U.S.A.  
ZIP: 07110

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,146  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/832,117  
FILING DATE: 06-FEB-1992

ATTORNEY/AGENT INFORMATION:  
NAME: Roseman, Catherine R.  
REGISTRATION NUMBER: 34,240  
REFERENCE/DOCKET NUMBER: 8389

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (201) 235-6208

RESULT 3  
PCT-US93-03076-1  
Sequence 1, Application PC/US9303076

GENERAL INFORMATION:  
APPLICANT: Whitehead Institute for Biomedical Research  
TITLE OF INVENTION: Casp-Associate protein p190 and  
TITLE OF INVENTION: Transduction  
NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
STREET: 2 Militia Drive  
CITY: Lexington  
STATE: MA  
COUNTRY: US  
ZIP: 02173



ADDRESSEE: No. 6239264artis Corporation  
 STREET: 3054 Cornwallis Road  
 CITY: Research Triangle Park  
 STATE: No. 6239264th Carolina  
 COUNTRY: USA  
 ZIP: 27770

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/998,416  
 FILING DATE: 24-DEC-1997  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: CH 0016/97  
 FILING DATE: 31-DEC-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38,241  
 REFERENCE/DOCKET NUMBER: PF/5-30305/A/GCG1976  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8587  
 TELEFAX: 919-541-8689

INFORMATION FOR SEQ ID NO: 530:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 840 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 ORIGINAL SOURCE:  
 ORGANISM: PAG1370UP  
 US-08-998-416-530

RESULT 3  
 Query Match 79.0%; Score 15.8; DB 4; Length 840;  
 Best Local Similarity 89.5%; Pred. No. 40; Matches 17; Mismatches 0; Indels 2; Gaps 0;  
 Type: nucleic acid  
 Strandedness: single  
 Topology: linear  
 Molcule Type: DNA (genomic)  
 Original Source: Organism: PAG1370UP  
 US-08-998-416-530

Query Match 79.0%; Score 15.8; DB 1; Length 1296;  
 Best Local Similarity 89.5%; Pred. No. 42; Matches 17; Mismatches 0; Indels 2; Gaps 0;  
 Type: nucleic acid  
 Strandedness: double  
 Topology: linear  
 Molcule Type: DNA (genomic)  
 Original Source: Organism: PAG1370UP  
 US-08-998-416-531

RESULT 4  
 US-08-090-523-3  
 Sequence 3, Application US/08090523  
 Patent No. 5498830  
 GENERAL INFORMATION:  
 APPLICANT: Barry, Gerard F.  
 APPLICANT: Kishore, Ganesh M.  
 APPLICANT: Stark, David M.  
 TITLE OF INVENTION: Enhanced Starch Biosynthesis  
 NUMBER OF SEQUENCES: 51  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Grace L. Bonner, Monsanto Co. BB4F  
 STREET: 700 Chesterfield Parkway No. 5498830th  
 CITY: St. Louis  
 STATE: Missouri  
 COUNTRY: USA  
 ZIP: 63198

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/090,523  
 FILING DATE: 19930712  
 CLASSIFICATION: 800

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/709663  
 FILING DATE: 07-JUN-1991

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/539763  
 FILING DATE: 18-JUL-1990

ATTORNEY/AGENT INFORMATION:  
 NAME: Bonner, Grace L.  
 REGISTRATION NUMBER: 32,963  
 REFERENCE/DOCKET NUMBER: 3B-21(10559)A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 537-286

TELEFAX: (314) 537-6047

RESULT 4  
 US-08-090-523-3  
 Sequence 3, Application US/08090523  
 Patent No. 5498830  
 GENERAL INFORMATION:  
 APPLICANT: Barry, Gerard F.  
 APPLICANT: Kishore, Ganesh M.  
 APPLICANT: Stark, David M.  
 TITLE OF INVENTION: Enhanced Starch Biosynthesis  
 NUMBER OF SEQUENCES: 51  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Grace L. Bonner, Monsanto Co. BB4F  
 STREET: 700 Chesterfield Parkway No. 5498830th  
 CITY: St. Louis  
 STATE: Missouri  
 COUNTRY: USA  
 ZIP: 63198

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/090,523  
 FILING DATE: 19930712  
 CLASSIFICATION: 800

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/709663  
 FILING DATE: 07-JUN-1991

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/539763  
 FILING DATE: 18-JUL-1990

ATTORNEY/AGENT INFORMATION:  
 NAME: Bonner, Grace L.  
 REGISTRATION NUMBER: 32,963  
 REFERENCE/DOCKET NUMBER: 3B-21(10559)A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 537-286

OM nucleic - nucleic search, using sw model

Run on: July 20, 2001, 00:35:25 : Search time 394.23 Seconds  
 (without alignments)  
 395.681 Million cell updates/sec

Title:	US-08-956-991-7
Perfect score:	842
Sequence:	1 ccgggccccggcgcggcgaa.....ccggatggatgttttgcga 842
Scoring table:	IDENTITY_NUC
Gapop:	Gapext 1.0
Searched:	317530 seqs, 9230169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0  
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Issue\_Patents\_NA:\*

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- 2: /cgml\_7/ptodata/1/ina/5B\_COMB.seq:\*
- 3: /cgml\_7/ptodata/1/ina/6A\_COMB.seq:\*
- 4: /cgml\_7/ptodata/1/ina/6B\_COMB.seq:\*
- 5: /cgml\_7/ptodata/1/ina/POTUS\_COMB.seq:\*
- 6: /cgml\_7/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
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2	39.2	4.7	4257	Sequence 6, Appli
3	39.2	4.7	4257	Sequence 1, Appli
4	39.2	4.7	4257	Sequence 1, Appli
5	39.2	4.7	4257	Sequence 1, Appli
6	38.4	4.6	12001	US-08-643-659-1
7	38.4	4.6	3588	Sequence 7, Appli
8	38.4	4.6	3588	Sequence 1, Appli
9	38	4.5	1524	US-08-459-850-32
10	38	4.5	2900	US-08-459-642-24
11	38	4.5	2900	US-08-459-650-9
12	36.6	4.3	3695	US-08-091-569-1
13	36.6	4.3	3695	US-08-203-676-1
14	36.6	4.3	3695	US-08-822-238-1
15	36.6	4.3	7218	US-08-232-663-14
16	35.4	4.2	405	US-08-903-800A-3
17	35.2	4.2	4743	US-09-339-964-1
18	34.8	4.1	3802	US-09-404-354B-2
19	34.8	4.1	3802	US-08-114-003B-2
20	34.8	4.1	3802	US-08-435-75B-2
21	34.8	4.1	3802	US-08-336-557A-4
22	34.8	4.1	3802	US-08-884-599-2
23	34.8	4.1	3802	US-08-202-7
24	34.8	4.1	50341	US-08-247-901C-1
25	34.8	4.1	50341	US-09-075-904-1
26	34.8	4.1	52297	US-09-426-916-1
27	34.2	4.1	838	US-09-062-416-19

### ALIGNMENTS

RESULT 1	US-08-752-307B-6
; Sequence 6, Application US/08752307B	
; Patent No. 5932171	
; GENERAL INFORMATION:	
APPLICANT:	McCarthy, Sean A.
APPLICANT:	Gearling, David P.
APPLICANT:	Levinson, Douglas A.
TITLE OF INVENTION:	METHOD FOR IDENTIFYING GEN
TITLE OF INVENTION:	ENCODING NOVEL SECRETED OR
NUMBER OF SEQUENCES:	14
CORRESPONDENCE ADDRESS:	
ADDRESSEE:	Fish & Richardson, P.C.
STREET:	225 Franklin Street
CITY:	Boston
STATE:	MA
COUNTRY:	US
ZIP:	02110 2804
COMPUTER READABLE FORM:	
MEDIUM TYPE:	Diskette
COMPUTER:	IBM Compatible
OPERATING SYSTEM:	Windows95
SOFTWARE:	FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:	
APPLICATION NUMBER:	US/08/752-307B
FILING DATE:	19-NOV-1996
CLASSIFICATION:	435
PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	
ATTORNEY/AGENT INFORMATION:	
NAME:	Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER:	35,283
REFERENCE/DOCKET NUMBER:	09404/020001
TELECOMMUNICATION INFORMATION:	
TELEPHONE:	617-542-5070
TELEFAX:	617-442-8906
TELEX:	200154
INFORMATION FOR SEQ ID NO: 6:	
SEQUENCE CHARACTERISTICS:	
LENGTH:	1493 base pairs
TYPE:	nucleic acid
STRANDNESS:	single
TOPOLOGY:	linear
MOLECULE TYPE:	cDNA
FEATURE:	
NAME/KEY:	Coding Sequence
LOCATION:	99..1493
US-08-752-307B-6	

Sequence 1/, Appl  
Sequence 2/, Appl  
Sequence 17, Appl  
Sequence 3, Appl  
Sequence 16, Appl  
Sequence 46, Appl  
Sequence 1, Appl  
Sequence 1, Appl  
Sequence 2, Appl  
Sequence 2, Appl  
Sequence 29, Appl  
Sequence 1, Appl

COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0. Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/690,473  
FILING DATE: 26-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Highland, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: ARCD:239  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512/418-3000  
TELEFAX: 512/414-7575  
INFORMATION FOR SEQ ID N.: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4257 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-690473-1

US-09-259,821A-1c  
Sequence 1, Application US/09259821A  
Patent No. 6210926  
GENERAL INFORMATION:  
APPLICANT: LEOPARDI, ROSARIO  
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICPO IS AN INHIBITOR OF APOPTOSIS  
FILED REFERENCE: ARK ID: 317  
CURRENT APPLICATION NUMBER: US/09/259,821A  
CURRENT FILING DATE: 1999-03-01  
PRIOR APPLICATION NUMBER: 08/690,473  
PRIOR FILING DATE: 1996-07-26  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 4257  
TYPE: DNA  
ORGANISM: HERPES VIRUS, TYPE 1  
US-09-259,821A-1





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Gencore version 4.5

On nucleic - nucleic search, using sw model

Run on: July 20, 2001, 00:36:07 ; Search time 394.23 Seconds  
(without alignments)

US-08-956-991-9  
1 accaccatcacacacccag.....aagaatttgcacaaataatatta 2173

Title: Perfect score: 2173

Sequence: IDENTITY\_NUC

scoring table: Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 9260169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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C 3	40.2	1.8	7881	2 US-09-060-836-1	Sequence 1, Appl
C 4	40.2	1.8	7881	4 US-09-184-445-1	Sequence 1, Appl
C 5	33.8	1.6	1171	1 US-08-336-257A-1	Sequence 1, Appl
C 6	33.8	1.6	1171	6 5386025-1	Patent No. 5386025
C 7	32.8	1.5	2152	1 US-08-188-582-17	Sequence 17, Appl
C 8	32.8	1.5	2152	1 US-08-646-715-17	Sequence 17, Appl
C 9	32.6	1.5	1396	1 US-08-123-161A-11	Sequence 11, Appl
C 10	32.6	1.5	1396	1 US-08-483-278-11	Sequence 11, Appl
C 11	32.2	1.5	2085	2 US-08-283-917-8	Sequence 8, Appl
C 12	32.2	1.5	2085	2 US-08-961-716-8	Sequence 8, Appl
C 13	32	1.5	1506	1 US-07-937-609-13	Sequence 13, Appl
C 14	32	1.5	1506	4 US-08-029-170-13	Sequence 13, Appl
C 15	31.8	1.5	533	6 5482709-5	Patent No. 5482709
C 16	31.8	1.5	543	6 5273901-6	Patent No. 5273901
C 17	31.6	1.5	3256	2 US-08-968-751-3	Sequence 3, Appl
C 18	31.6	1.5	3923	4 US-08-860-635A-20	Sequence 20, Appl
C 19	31.4	1.4	3640	2 US-08-627-873-6	Sequence 6, Appl
C 20	31.4	1.4	26700	1 US-08-472-217-1	Sequence 1, Appl
C 21	31.4	1.4	26700	2 US-08-199-199-5	Sequence 5, Appl
C 22	31.4	1.4	26700	3 US-08-760-534A-1	Sequence 1, Appl
C 23	31.2	1.4	1569	2 US-08-145-658D-23	Sequence 23, Appl
C 24	31.1	1.4	9595	4 US-09-014-416-4	Sequence 4, Appl
C 25	31.2	1.4	9599	4 US-09-014-416-6	Sequence 6, Appl
C 26	31	1.4	1221	3 US-08-965-600-2	Sequence 2, Appl
C 27	31	1.4	2521	1 US-08-368-803-16	Sequence 16, Appl

Sequence 18, Appl  
Sequence 8, Appl  
Sequence 18, Appl  
Sequence 14, Appl  
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Sequence 3, Appl  
Sequence 1, Appl  
Sequence 16, Appl  
Sequence 17, Appl  
Sequence 32, Appl  
Sequence 32, Appl  
Sequence 32, Appl  
Sequence 24, Appl  
Sequence 13, Appl

RESULT 1  
US-08-232-463-14/C  
Sequence 14, Application US/08232463  
Patient No. 5670367  
GENERAL INFORMATION  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIRLINGER, F.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0289

## ALIGNMENTS

COMPUTER READABLE FORM:  
COMPUTER TYPE: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300 6  
FILING DATE: 26-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)836-9300  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
CLONE: ptz9pt-F1s  
US-08-232-463-14



GenCore version 4.5  
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OM protein - protein search, using sw model  
Run on: July 17, 2001, 15:14:23 ; Search time 27.66 Seconds  
(without alignments) 114.151 Million cell updates/sec

Title: US-08-956-991-11  
Perfect score: 8223  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%, Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

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- 2: /cgn2\_6/pctodata/2/iaa/6A\_COMB.pep:\*
- 3: /cgn2\_6/pctodata/2/iaa/6B\_COMB.pep:\*
- 4: /cgn2\_6/pctodata/2/iaa/PCTRUS.COMB.pep:\*
- 5: /cgn2\_6/pctodata/2/iaa/backfiles1.pep:\*
- 6: /cgn2\_6/pctodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

**RESULT** 1  
US-08-752-307B-5  
; Sequence 5, Application US/08752307B  
; Parent No. 5952171  
; GENERAL INFORMATION:  
; APPLICANT: McCarthy, Sean A.  
; APPLICANT: Gearin, David P.  
; APPLICANT: Levinson, Douglas A.  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES  
; TITLE OF INVENTION: ENCODING NOVEL, SECRETED OR MEMBRANE-ASSOCIATED PROTEIN  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P. C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08-752,307B  
FILING DATE: 19-NOV-1996  
CLASSIFICATION: A43  
PRIORITY APPLICATION DATA:  
PRIORITY APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Meiklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 09404/020001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: 200154  
TELETYPE: 200154  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 465 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: Protein  
FRAGMENT TYPE: Internal

Sequence 1, Appli  
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Sequence 2, Appli  
Sequence 2, Appli  
Sequence 3, Appli  
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3	794.9	14.7	447	4	US-08-752-307B-5 PCT-US94-05277-2 Sequence 5, Appli Sequence 7, Appli Sequence 25, Appli Sequence 2, Appli Sequence 6, Appli Sequence 6, Appli Sequence 6, Appli Sequence 2, Appli Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 3, Appli Sequence 12, Appli Sequence 2, Appli Sequence 11, Appli Sequence 13, Appli Sequence 9, Appli Sequence 8, Appli Sequence 2, Appli Sequence 14, Appli Sequence 10, Appli Sequence 16, Appli Sequence 15, Appli Sequence 12, Appli
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Query Match Best Local Similarity 17.7%; Score 1459.5; DB 2; Length 465;

**Matches** 265; **conservative** 81; **Mismatches** 117; **Indels** 1; **Gaps** 1;

**SEQUENCE CHARACTERISTICS:**  
**LENGTH:** 462 amino acids  
**TYPE:** amino acid  
**TOPOLOGY:** linear  
**MOLECULE TYPE:** protein

**US-08-752-307B-7**

<b>Query</b>	<b>Match</b>	<b>Score</b> 1451.5; <b>DB</b> 2; <b>length</b> 462;
<b>Best Local Similarity</b>	17.78;	<b>Pred.</b> No. 3.3e-94; <b>Match ID</b> 1;
<b>Matches</b>	264;	<b>Conservative</b> 80; <b>Mismatches</b> 117; <b>Indels</b> 1; <b>Gaps</b> 1;
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**Qy** 120 AVFREPYTVRVEDQSRMGRNVAVFKCIPSSVEAYTVWSWEKDTSLVSRSRELITSTG 179  
**Db** 121 AVFREPYTVRVEDQSRMGRNVAVFKCIPSSVEAYTVWSWEKDTSLVSRSRELITSTG 180

**Qy** 180 ALYTKDVONEDGLYNRYCITRHRYTGETRQNSARLFVSDPANSAPSILGDGFHRKAMAG 239  
**Db** 181 GLYISDVQKDALSTYRCITKHKYSGETROSNGARLSVTDPAESIPTILGPHSQEWAG 240

**Qy** 240 ORVELUPCKAIGHPEDYRWLKDNPMLSLGRKQVYKUENTRPSGSYCEVSNR 299  
**Db** 241 HTVELPCTASGYPIPAWRWLKDGRPLPADSRWTKRIGLTISDLRFDGTYICEINTF 300

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**RESULT** 2

US-08-752-307B-7

; Sequence 7, Application US/08752307B

; Patent No. 5952171

; GENERAL INFORMATION:

; APPLICANT: McCarthy, Sean A.

; APPLICANT: Gearin, David P.

; APPLICANT: Levinson, Douglas A.

TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES  
TITLE OF INVENTION: ENCODING NOVEL SECRETED OR MEMBRANE-ASSOCIATED PROTEIN  
NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02110-2804

COMPUTER READABLE FORM:  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTER for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08752,307B  
FILING DATE: 19-Nov-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:

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**RESULT** 3

US-09-041-886-25

; Sequence 25, Application US/090418865  
; Patent No. 6225872

; GENERAL INFORMATION:

; APPLICANT: Breitessen, Dale E.

; APPLICANT: Rabizadeh, Sharroz

TITLE OF INVENTION: Protopopotic Peptides, Dependence  
TITLE OF INVENTION: Polypeptides and Methods of Use  
NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

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COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/041,886  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION: